

09/29/03  
17668 U.S. PTO

JAMES D. WELCH  
ATTORNEY AT LAW  
PROFESSIONAL ENGINEER

INTELLECTUAL PROPERTY  
402-981-4448

1 328 PINEHURST AVE.  
OMAHA, NEBRASKA 68124

September 17, 2003

Commissioner for Patents  
Box: 1450  
Alexandria, VA 22313-1450

RE: UTILITY APPLICATION TITLED:

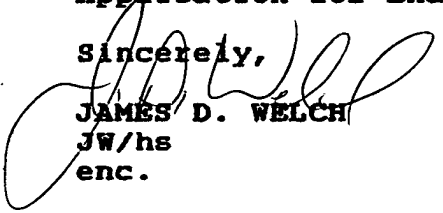
METHOD OF PRECISELY DETERMINING THE LOCATION OF A FAULT  
ON AN ELECTRICAL TRANSMISSION SYSTEM

Dear Sir;

Enclosed please find the identified Application, a filled-in PTO Declaration and Power of Attorney Form, a Small Entity Status Form, an Information Disclosure and a check for \$573.00. , (eg. \$375.00 Basic Fee + \$126.00 for Six (6) Independent Claims + \$72.00 for Twenty-Eight (28) Claims Total).

Please provide a Filing Date and Serial No. and enter the Application for Examination.

Sincerely,

  
JAMES D. WELCH  
JW/hs  
enc.

**DECLARATION IN COPENDING APPLICATION  
CONTAINING ADDITIONAL SUBJECT MATTER**

ATTORNEY'S DOCKET NO.

I, the below named inventor, hereby declare that:  
My residence, post office address and citizenship are as stated below next to my name;  
that I verily believe that I am the original, first and sole inventor if only one name is listed at 201 below, or a joint inventor if plural

Inventors are named below at 201-203, of the invention entitled: METHOD OF PRECISELY DETERMINING  
THE LOCATION OF A FAULT ON AN ELECTRICAL TRANSMISSION SYSTEM

which is described and claimed in the attached specification;  
that this application in part discloses and claims subject matter disclosed in my earlier filed pending application.

Serial No. \_\_\_\_\_, filed \_\_\_\_\_; CLAIMS BENEFIT OF 60/458,080  
FILED 03/27/2003

that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application;  
that as to the subject matter of this application which is common to said earlier application, I do not know and do not believe that  
the same was ever known or used in the United States of America before my or our invention thereof or patented or described in  
any printed publication in any country before my or our invention thereof, or more than one year prior to said earlier application,  
or in public use or on sale in the United States of America more than one year prior to said earlier application;  
that the common subject matter has not been patented or made the subject of an inventor's certificate issued before the date of  
said earlier application in any country foreign to the United States of America on an application filed by me or my legal represent-  
atives or assigns more than twelve months prior to said earlier application; and  
as to applications for patents or inventor's certificate on the common subject matter filed in any country foreign to the United  
States of America, prior to said earlier application by me or my legal representatives or assigns.

☒ no such applications have been filed, or.

☐ such applications have been filed as follows:

**EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS PRIOR TO SAID EARLIER APPLICATION**

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C. 119
				YES <input type="checkbox"/> NO <input type="checkbox"/>
				YES <input type="checkbox"/> NO <input type="checkbox"/>

**ALL FOREIGN APPLICATIONS, IF ANY, FILED MORE THAN 12 MONTHS PRIOR TO SAID EARLIER APPLICATION**


that as to the subject matter of this application which is not common to said earlier application, I do not know and do not believe  
that the same was ever known or used in the United States of America before my or our invention thereof or patented or  
described in any printed publication in any country before my or our invention thereof, or more than one year prior to this  
application, or in public use or on sale in the United States of America more than one year prior to this application;  
that said non-common subject matter has not been patented or made the subject of an inventor's certificate issued before the  
date of this application in any country foreign to the United States of America on an application filed by me or my legal  
representatives or assigns more than twelve months prior to this application; and  
as to applications for patents or inventor's certificate on the invention filed in any country foreign to the United States of Amer-  
ica prior to this application by me or my legal representatives or assigns.

☒ no such applications have been filed, or

☐ such applications have been filed as follows:

**EARLIEST FOREIGN APPLICATION, IF ANY, FILED WITHIN 12 MONTHS PRIOR TO THIS APPLICATION**

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)	PRIORITY CLAIMED UNDER 35 USC 119
				<input type="checkbox"/> YES <input type="checkbox"/> NO
				<input type="checkbox"/> YES <input type="checkbox"/> NO

**ALL FOREIGN APPLICATIONS, IF ANY, FILED MORE THAN 12 MONTHS PRIOR TO THIS APPLICATION**


**POWER OF ATTORNEY:** As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration no.)

**JAMES D. WELCH**

**REG. NO. 31,216**

**SEND CORRESPONDENCE TO:**

**JAMES D. WELCH  
10328 PINEHURST AVE.  
OMAHA, NE 68124**

**DIRECT TELEPHONE CALLS TO:**  
(name and telephone number)

**JAMES D. WELCH  
402-391-4448**

201	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY	
202	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY	
203	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY	
204	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY	

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I have reviewed and understood the content of the application, including the Claims as amended and specifically referred to below.

*Marshall B. Borchert* *Douglas A. Hartzell*

*9-16-03* *9-16-03*

Amended

STATUS AS A SMALL ENTITY

The undersigned, MARSHAL B. BORCHERT and DOUGLAS A. HARTZELL hereby aver that they are the inventors of the invention titled:

METHOD OF PRECISELY DETERMINING THE LOCATION OF A FAULT  
ON AN ELECTRICAL TRANSMISSION SYSTEM

and that they are independent inventors in accordance with Section 1.9(c) of 37 C.F.R., and that they qualify as a Small Entity as defined in Section 1.9(f) of 37 C.F.R.

Marshal B Borchert 9-16-03  
MARSHAL B. BORCHERT DATE

Douglas A Hartzell 9-16-03  
DOUGLAS A. HARTZELL DATE